

Occupational Safety and Health Program

LG #1



A. Background Information

Occupational Safety and Health (OSH) Act

- **Begun in 1970--Affects all American workers**
- **Section 19 of OSHA law directs federal agencies to maintain OSH programs**
- **Program requirements contained in:**
 - **29 CFR, Part 1960 (CFR=Code of Federal Regulations)**
- **Detailed rules contained in:**
 - **29 CFR 1910**

OSH Program Scope

- **Includes Safety Programs such as:**
 - **Aviation Safety**
 - **Weapons Safety**
 - **Off-duty Safety**
- **Includes Occupational Health Programs such as:**
 - **Asbestos**
 - **Heat Stress**
 - **Hearing Conservation**

OSH Programs

- **Must be implemented by all afloat, ashore, and aviation commands worldwide**
- **Applicable to all military and civilian personnel**
- **Every branch of Armed Forces required to comply**

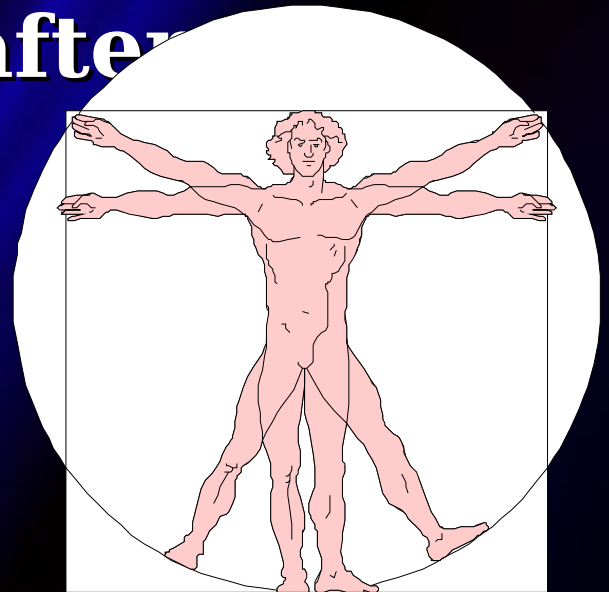
Navy Occupational Safety and Health (NAVOSH) Directives

- **OPNAVINST 5100.19 (series)**
 - **NAVOSH Program Manual for Forces Afloat**
 - **First implemented 1989**
 - **Primary Resource document for ships and subs**
- **OPNAVINST 5100.23 (series)**
 - **NAVOSH Program Manual**
 - **Applies to Navy's overall safety and health program**

B. NAVOSH Program Elements

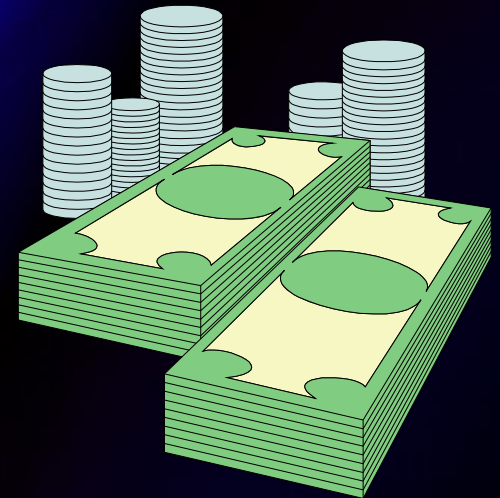
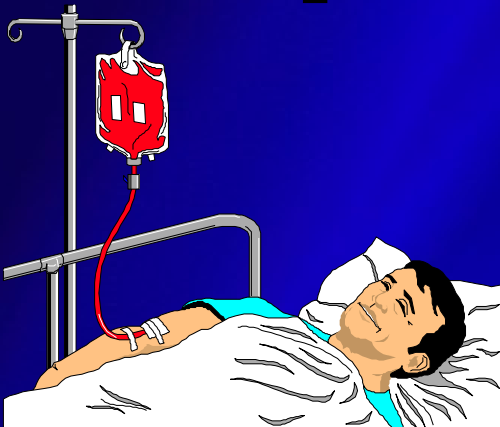
Occupational Health

- Deals with preservation of workers' health
- Occupational illness & disease may show up years after exposure:
 - Hearing loss
 - Asbestosis



Occupational Health

- **Issues at stake**
 - **Affects quality of life for sailors**
 - **Illness causes lost work time**
 - **Millions of \$\$ spent in worker compensation**



Occupational Health

- **Programs of concern include:**
 - **Heat Stress**
 - **Hearing Conservation**
 - **Hazardous Material Control**
 - **Sight Conservation**
 - **Asbestos Exposure Control**



Occupational Health

- **Programs of concern (continued):**
 - **Lead Safety**
 - **Radiation and Laser Safety**
 - **Respiratory Protection**
 - **Personal Protective Equipment**
- **Programs covered by Volume I of OPNAVINST 5100.19 (series)**

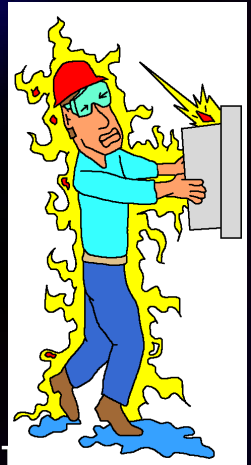


Occupational Safety

- **Concerned with job-related mishap prevention**
- **Issues at stake:**
 - **Command loses valuable ~~resource~~ sailor**
 - **Team concept is compromised**

Occupational Safety Programs

- Programs of concern include:
 - Electrical Safety
 - Tag-out Program
 - Gas-free Engineering
 - Deck Safety
 - Cargo handling, small boats, UNREP, etc.
 - Weapons Safety (general precautions)



Occupational Safety Programs

- **Programs of concern (continued)**
 - Shipboard Aircraft Safety
 - Machinery and Workshop Safety
 - Diving Operations (general precaution)
 - Marine Sanitation Device (MSD), and Collection, Holding, and Transfer (CHT) System Safety
 - Hazardous Material--Handling, Storage, and Disposal



Occupational Safety Programs

- **Programs of concern (continued)**
 - **Off-duty Safety Programs**
 - **Traffic Safety (OPNAVINST 5100.12)**
 - **Recreational, Athletic, & Home Safety (OPNAVINST 5100.25)**
 - **At issue: Injuries and deaths from motor vehicle/motorcycle/recreational mishaps**
 - **Major cause of lost work days & permanent personnel losses**



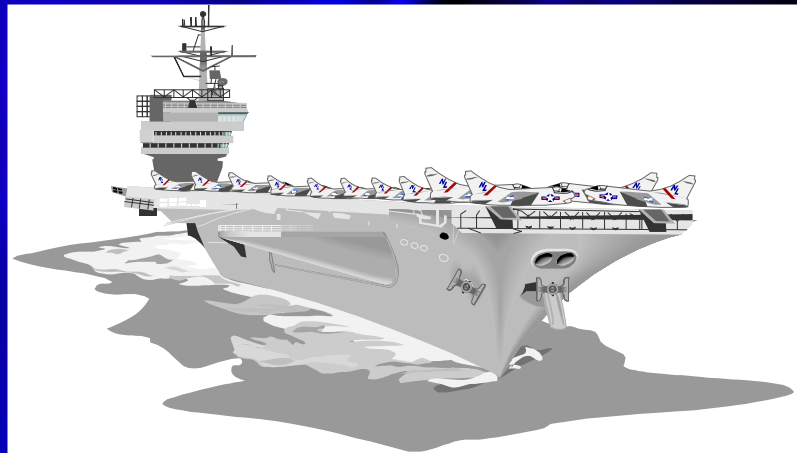
C. Program Responsibilities

Program Responsibilities

- **Assistant Secretary of the Navy for Installations and Environment (ASN I&E)**
 - **Designated OSH Official for DON**
 - **Issues Policy for Military and Civilian Personnel**
- **Chief of Naval Operations (CNO)**
 - **Implements and Manages NAVOSH Program under SECNAV**

Program Responsibilities

- **Fleet CINC's, TYCOM's, Group and Squadron Commanders, Ship CO's**
 - **All have responsibility for implementing NAVOSH Program**

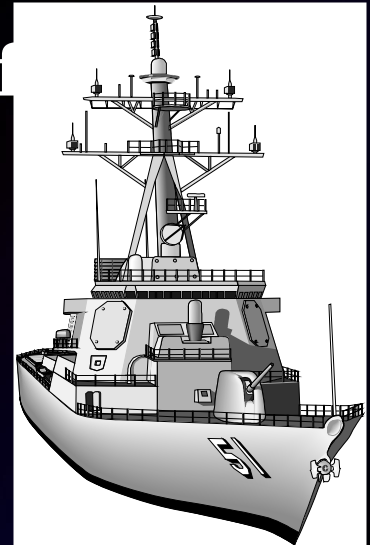


Program Effectiveness

- **Effectiveness of NAVOSH Program monitored through**
 - **INSURV**
 - **OPPE**
 - **Command Inspections**
 - **Other Inspection Teams**

Ship's Safety Officer

- Works for CO & XO
- Overall NAVOSH Program Manager
- Assisted by
 - Electrical /Electronic Safety Officer
 - Department Heads
 - Division Officers
 - Medical Department



Effective Shipboard NAVOSH Program

- **Safety Council/Committee--
Quarterly meetings**
- **Routine OSH Surveys and zone
inspections**
- **Monitored Workplaces**
- **Training in NAVOSH Program areas**
- **All hands aware of and report
hazards**

D. Workplace Monitoring and Medical Surveillance

Workplace Monitoring

- **Safety Officer or Medical Department evaluates workplace hazards**
 - Sometimes receives assistance from Industrial Hygienists (IH)
- **Hazards monitored include**
 - Ventilation in the space
 - Work practices and PPE requirements
 - Lighting

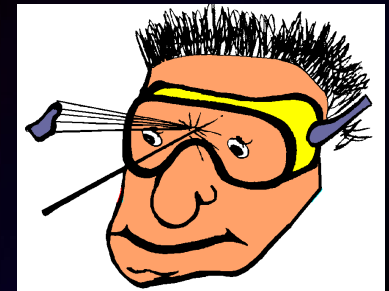
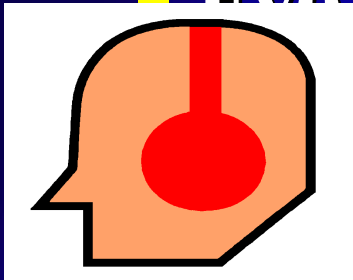
Workplace Monitoring

- **Hazards monitored (continued)**
 - **Overhead obstructions and tripping hazards**
 - **Hazardous Material Storage and Handling**
 - **Weight-handling Equipment**
 - **Heat Stress**
 - **Electrical Hazards**



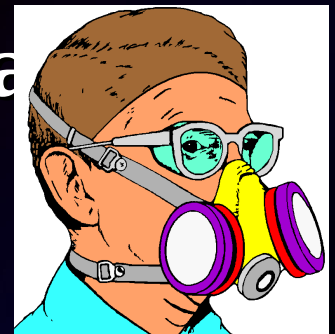
Workplace Monitoring

- Hazards monitored (continued)
 - Asbestos Hazards
 - Exposure to Hazardous Chemicals & their vapors, dusts, gases, mists, or fumes
 - Noise Hazards
 - Eye Hazards



Workplace Monitoring Evaluations

- **May include air sampling**
- **Done by IH from shore medical facility**
- **Used to determine exposure levels to a hazard**
- **Results determine PPE, ventilation, medical surveillance or other requirements**



Medical Surveillance

- **Used to track health of workers exposed to potential hazards**
- **May be required of personnel assigned to**
 - **Spill Response Teams**
 - **Rip-Out Teams (Asbestos)**
 - **Other Hazardous Working Conditions where exposures may occur**

Medical Surveillance

- **Exams conducted**
 - **Preplacement--ensures no pre-existing medical conditions**
 - **Periodic--follow-up exams to look for trends**
 - **Termination--to document health effects at time of job completion or separation/retirement**
- **Documentation required to prove exposures occupationally related**